L Number	Hits	Search Text	DB	Time stamp
1	621	staurosporine or n-staurosporine or benzoylstaurosporine or n-benoylstaurosporine	USPAT; US-PGPUB; DERWENT	2002/07/18 11:55
2	159	(staurosporine or n-staurosporine or benzoylstaurosporine or n-benoylstaurosporine) and (emulsion or micro-emulsions or preconcentrates)	USPAT; US-PGPUB; DERWENT	2002/07/18 11:56
-	0	("5932243" .pn.) and staurosporine	USPAT; US-PGPUB	2002/07/18 10:01
-	0	("5932243" .pn.) and porine	USPAT; US-PGPUB	2002/07/18 10:01
-	0	("5932243" .pn.) and ?porine	USPAT; US-PGPUB	2002/07/18 10:03
-	0	macrolide and fk506 and staurosporine	USPAT; US-PGPUB	2002/07/18 10:04
-	18	macrolide and staurosporine	USPAT; US-PGPUB	2002/07/18 10:07
-	553	staurosporine or n-staurosporine or benzoylstaurosporine or n-benoylstaurosporine	USPAT; US-PGPUB	2002/07/18 11:55
-	13	(staurosporine or n-staurosporine or benzoylstaurosporine or n-benoylstaurosporine) and macrolide and (solubility or bioavailability)	USPAT; US-PGPUB	2002/07/18 10:08
-	66	(staurosporine or n-staurosporine or benzoylstaurosporine or n-benoylstaurosporine) and (fk506 or fk-506) and (solubility or bioavailability)	USPAT; US-PGPUB	2002/07/18 10:24
-	1	"465426"	EPO	2002/07/18 10:24

Gelucire® 44/14

Semi-solid bioavailability enhancer for capsule formulations

- **Chemical description :**

Lauroyl macrogol-32 glycerides.
Gelucire® 44/14 is synthesized by an alcoholysis/esterification reaction, using hydrogenated palm kernel oil and PEG 1500 as starting materials.
Gelucire® 44/14 is therefore a well-defined mixture of mono-, di-and triglycerides and mono- and di-fatty acid esters of polyethylene glycol. The predominant fatty acid is lauric acid (C12).

- **Physical characteristics :**

Appearance : waxy solid
Odour : faint
Melting range (drop point) : 42.0 to 46.0°C
HLB value : 14

- **Applications :**

Gelucire® 44/14 has been shown to greatly improve the bioavailability of poorly-soluble drugs. Its mechanism of action includes solubility enhancement through micellar transport of the drug but also probably absorption enhancement at the GI wall level.
Gelucire® 44/14 can be used as sole excipient in the capsule formulation or in combination with drug solubilizer (s) and structurant polymer(s).

- **Regulatory status :**

European Pharmacopoeia 4rd edition : conforms to the "Lauroyl macrogolglycerides" monograph.
US Drug Master File n°5253

BACK TOP

Labrafil® M 1944 CS

Bioavailability / penetration enhancer for oral and topical formulations

Chemical description :

Oleoyl macrogol-6 glycerides.
Labrafil® M 1944 CS is synthesized by an alcoholysis/esterification reaction using apricot kernel oil and PEG 300 as starting materials.
Labrafil® M 1944 CS is therefore a well-defined mixture of mono-, di- and triglycerides and mono-and di-fatty esters of polyethylene glycol. The predominant fatty acid is oleic acid (C18:1).

Physical characteristics :

Appearance : oily liquid
Odour : faint
Viscosity at 20°C : 75 to 95 m.Pa.s
HLB value : 4

Applications :

Labrafil® M 1944 CS is a non-ionic amphiphilic excipient used as :

- solubilizer / bioavailability enhancer for liquid and oral capsule formulations
- co-emulsifier / penetration enhancer for topical emulsions
- lipid phase or cosurfactant in microemulsion formulations.

Regulatory status :

European Pharmacopoeia 3rd edition : conforms to the "Oleoyl macrogolglycerides" monograph.

US Drug Master File n°4464

BACK TOP

Gelucire® 39/01

Waxy carrier for hard gelatin capsule formulations

Chemical description :

Glycerol esters of saturated C12-C18 saturated fatty acids esters.

Physical characteristics :

Appearance : waxy pellets
Odour : faint
Melting range (drop point) : 37.5 to 41.5°C
HLB value : 1

Applications :

Gelucire® 39/01 is a waxy carrier that protects active ingredients from light, moisture and oxidation.
It is suited to capsule formulation of low density products, low dose or toxic drugs.

Regulatory status :

USP 24/NF 19 : conforms to the "Hard fat" monograph.
European Pharmacopoeia 3rd edition : conforms to the "Hard fat" monograph.
Japanese Pharmaceutical Excipients : conforms to the "Hard fat" monograph.
US Drug Master File n° 6028

BACK TOP